

L Number	Hits	Search Text	DB	Time stamp
-	146	(445/\$.ccls. 29/\$.ccls. 228/\$.ccls.) and (electrode cathode anode) and (join\$3 bond\$3 bind\$3 weld\$3 solder\$3 attach\$3) and cut\$3 and (coil filament) and (material metal metallic) and (collet jig (metal near2 collar))	USPAT; US-PGPUB	2003/05/07 14:45
-	152	(445/\$.ccls. 29/\$.ccls. 228/\$.ccls.) and (electrode cathode anode) and collet	USPAT; US-PGPUB	2003/04/29 10:25
-	540	445/46,48,49.ccls.	USPAT; US-PGPUB	2003/04/29 12:21
-	305	219/\$.ccls. and (wire rod lead strand) and collet	USPAT; US-PGPUB	2003/04/29 12:54
-	93	219/\$.ccls. and (wire rod lead strand) and collet and (join\$3 bond\$3 bind\$3 weld\$3 solder\$3 attach\$3) and cut\$3	USPAT; US-PGPUB	2003/04/29 12:37
-	1209	219/\$.ccls. and (wire rod lead strand) same (join\$3 bond\$3 bind\$3 weld\$3 solder\$3 attach\$3) same cut\$3	USPAT; US-PGPUB	2003/04/29 12:39
-	875	219/\$.ccls. and ((wire rod lead strand) with (join\$3 bond\$3 bind\$3 weld\$3 solder\$3 attach\$3)) same cut\$3	USPAT; US-PGPUB	2003/04/29 12:55
-	50	219/\$.ccls. and (((wire rod lead strand) with (join\$3 bond\$3 bind\$3 weld\$3 solder\$3 attach\$3)) same cut\$3) and lamp	USPAT; US-PGPUB	2003/04/29 13:11
-	1116	((wire rod lead strand) with (join\$3 bond\$3 bind\$3 weld\$3 solder\$3 attach\$3)) same cut\$3) and lamp	USPAT; US-PGPUB	2003/04/29 13:25
-	1066	((((wire rod lead strand) with (join\$3 bond\$3 bind\$3 weld\$3 solder\$3 attach\$3)) same cut\$3) and lamp) not (219/\$.ccls. and ((wire rod lead strand) with (join\$3 bond\$3 bind\$3 weld\$3 solder\$3 attach\$3)) same cut\$3)	USPAT; US-PGPUB	2003/04/29 13:24
-	1063	((((wire rod lead strand) with (join\$3 bond\$3 bind\$3 weld\$3 solder\$3 attach\$3)) same cut\$3) and lamp) not ((219/\$.ccls. and ((wire rod lead strand) with (join\$3 bond\$3 bind\$3 weld\$3 solder\$3 attach\$3)) same cut\$3) 445/46,48,49.ccls.)	USPAT; US-PGPUB	2003/04/29 13:24
-	11	((wire rod lead strand) with (join\$3 bond\$3 bind\$3 weld\$3 solder\$3 attach\$3)) same cut\$3) and lamp and collet	USPAT; US-PGPUB	2003/04/29 13:26
-	3	((((wire rod lead strand) with (join\$3 bond\$3 bind\$3 weld\$3 solder\$3 attach\$3)) same cut\$3 same collet) and lamp	USPAT; US-PGPUB	2003/04/29 13:27
-	8	((((wire rod lead strand) with (join\$3 bond\$3 bind\$3 weld\$3 solder\$3 attach\$3)) same cut\$3 same collet) and electrode	USPAT; US-PGPUB	2003/04/29 13:28
-	1	140/111,112.ccls. and collet	USPAT; US-PGPUB	2003/05/04 17:16
-	3	140/111,112.ccls. and chuck	USPAT; US-PGPUB	2003/05/04 17:16
-	3250	(445/\$.ccls. 29/\$.ccls. 228/\$.ccls.) and chuck	USPAT; US-PGPUB	2003/05/04 17:19
-	6	140/111,112.ccls. and chuck	USOCR	2003/05/04 17:18
-	631	(445/\$.ccls. 29/\$.ccls. 228/\$.ccls.) and ((chuck collet) same (solder\$3 weld\$3))	USPAT; US-PGPUB	2003/05/04 17:20
-	437	140/111,112.ccls.	USPAT; US-PGPUB	2003/05/04 17:20
-	222	(445/\$.ccls. 29/\$.ccls. 228/\$.ccls.) and ((chuck collet) same (rod electrode wire lead conductor) same (solder\$3 weld\$3))	USPAT; US-PGPUB	2003/05/04 18:00
-	1	3259969.pn.	USPAT; US-PGPUB	2003/05/04 17:38
-	16	3259969.URPN.	USPAT	2003/05/04 17:40
-	9	3621176.URPN.	USPAT	2003/05/04 17:43
-	1	3777111.URPN.	USPAT	2003/05/04 17:44
-	5	3828601.URPN.	USPAT	2003/05/04 17:45
-	5	("2933428"   "3444611"   "4129241"   "4160186"   "4334628").PN.	USPAT	2003/05/04 17:51
-	791	((chuck collet) same (rod electrode wire lead conductor) same (solder\$3 weld\$3))	EPO; JPO; DERWENT	2003/05/04 18:02
-	448	((chuck collet) with (rod electrode wire lead conductor) with (solder\$3 weld\$3))	EPO; JPO; DERWENT	2003/05/04 18:02
-	430	(445/\$.ccls. 29/\$.ccls. 228/\$.ccls.) and ((chuck collet) same (rod electrode wire lead conductor) same (solder\$3 weld\$3))	USOCR	2003/05/04 18:23
-	1	5557169.pn.	USPAT; US-PGPUB	2003/05/04 18:16



-	2	("3363133"   "5424609").PN.	USPAT	2003/05/04 18:16
-	6	("3363133"   "4409517"   "4625149"   "4766347"   "4780646"   "4864191").PN.	USPAT	2003/05/04 18:16
-	42	5424609.URPN.	USPAT	2003/05/04 18:17
-	2	("3852630"   "5424609").PN.	USPAT	2003/05/04 18:19
-	6	("3363133"   "4409517"   "4625149"   "4766347"   "4780646"   "4864191").PN.	USPAT	2003/05/04 18:19
-	51	(445/\$.ccls.) and ((chuck collet) same (rod electrode wire lead conductor) same (solder\$3 weld\$3))	USOCR	2003/05/04 18:51
-	3	3351103.URPN.	USPAT	2003/05/04 18:43
-	70	(445/\$.ccls.) and ((chuck collet) same (rod electrode wire lead conductor) same (join\$3 attach\$3))	USOCR	2003/05/04 18:51
-	106	(coil same electrode) and lamp and (push\$3 rotat\$3 press\$3 fus\$3) and 445/\$.ccls.	USPAT; US-PGPUB	2003/05/06 16:23
-	51	(coil same electrode same (push\$3 rotat\$3 press\$3 fus\$3)) and lamp and 445/\$.ccls.	USPAT; US-PGPUB	2003/05/06 16:48
-	523	445/48,49,52.ccls.	USPAT; US-PGPUB	2003/05/08 17:22
-	25	445/48,49,52.ccls. and coil and lamp	USPAT; US-PGPUB	2003/05/06 16:43
-	5	("2046981"   "3201849"   "4847534"   "4952841"   "5001397").PN.	USPAT	2003/05/06 16:37
-	34	445/48,49,52.ccls. and coil and lamp	USOCR	2003/05/06 16:48
-	115	(coil same (push\$3 rotat\$3 press\$3 fus\$3)) and lamp and 445/\$.ccls.	USPAT; US-PGPUB	2003/05/06 17:20
-	688	((filament coil) same (push\$3 rotat\$3 attach\$3 (press-fit\$4) (press near2 fit\$4) press\$3 fus\$3) same (electrode rod shank)) and lamp and (445/\$.ccls. 313/\$.ccls.)	USPAT; US-PGPUB	2003/05/06 17:25
-	286	((filament coil) with (push\$3 rotat\$3 attach\$3 (press-fit\$4) (press near2 fit\$4) press\$3 fus\$3) with (electrode rod shank)) and lamp and (445/\$.ccls. 313/\$.ccls.)	USPAT; US-PGPUB	2003/05/06 17:26
-	1	"3029359".PN.	USPAT	2003/05/06 17:28
-	2	("3170081"   "3431447").PN.	USPAT	2003/05/06 17:30
-	4	("1647238"   "2521315"   "3038098"   "3474277").PN.	USPAT	2003/05/07 16:38
-	553	445/46,49,52.ccls.	USPAT; US-PGPUB	2003/05/08 17:53
-	2	("2725498"   "3590242").PN.	USPAT	2003/05/08 17:52
-	609	313/628,631.ccls.	USPAT; US-PGPUB	2003/05/08 17:54
-	601	313/628,631.ccls. not 445/46,49,52.ccls.	USPAT; US-PGPUB	2003/05/09 10:45
-	6	3132409.URPN.	USPAT	2003/05/09 10:28
-	5	("2199113"   "2347675"   "2948953"   "3132409"   "3146521").PN.	USPAT	2003/05/09 10:29
-	5	("3132409"   "3170081"   "4150317"   "4319158"   "4559473").PN.	USPAT	2003/05/09 10:30
-	9	("3405303"   "3935495"   "4034252"   "4065691"   "4105908"   "4123685"   "4136227"   "4199704"   "4303848").PN.	USPAT	2003/05/09 10:30
-	6	("2171234"   "2441863"   "2765420"   "3313974"   "3937996"   "3979624").PN.	USPAT	2003/05/09 10:32
-	6	3132409.URPN.	USPAT	2003/05/09 10:32
-	5	("3132409"   "3170081"   "4150317"   "4319158"   "4559473").PN.	USPAT	2003/05/09 10:32
-	7	("2687489"   "3132409"   "3170031"   "3510190"   "4044276"   "4150317"   "4559473").PN.	USPAT	2003/05/09 10:33
-	8	("2687489"   "2843801"   "3134924"   "3249788"   "3656020"   "3742282"   "3886391"   "3922428").PN.	USPAT	2003/05/09 10:33
-	7	4044276.URPN.	USPAT	2003/05/09 10:34
-	5	("2843801"   "3886391"   "4044276"   "5111108"   "5138224").PN.	USPAT	2003/05/09 10:34
-	5	("3170081"   "4044276"   "4210840"   "4783611"   "5111108").PN.	USPAT	2003/05/09 10:34
-	2	("3170081"   "4052634").PN.	USPAT	2003/05/09 10:40
-	3	("3708710"   "3919581"   "3988629").PN.	USPAT	2003/05/09 10:40



-	551	140/71.5,71.6.ccls.	USPAT; US-PGPUB	2003/05/09 14:00
-	1	2454318.URPN.	USPAT	2003/05/09 10:55
-	0	140/\$.ccls. and (diamond near2 saw)	USPAT; US-PGPUB	2003/05/09 14:08
-	0	140/\$.ccls. and (diamond near2 saw)	USPAT; US-PGPUB	2003/05/09 14:12
-	19	445/\$.ccls. and (diamond near2 saw)	USPAT; US-PGPUB	2003/05/09 14:18
-	43	313/\$.ccls. and (diamond near2 saw)	USPAT; US-PGPUB	2003/05/09 14:18